

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121721\
 Data File : VU046467.D
 Acq On : 17 Dec 2021 13:25
 Operator : SY/MD
 Sample : M5101-07ME
 Misc : 6.38g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 13:56:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 03:50:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	160937	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	167262	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	83091	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	47886	36.121	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.240%
7) Chloroethane-d5	1.919	69	35144	34.527	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.060%#
11) 1,1-Dichloroethene-d2	2.549	63	63010	26.476	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.960%#
21) 2-Butanone-d5	4.655	46	73026	69.292	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	69.290%
24) Chloroform-d	5.063	84	92755	41.897	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.800%
26) 1,2-Dichloroethane-d4	5.703	65	64677	43.531	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.060%
32) Benzene-d6	5.726	84	185552	38.705	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.400%
36) 1,2-Dichloropropane-d6	6.690	67	58810	39.583	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.160%
41) Toluene-d8	7.899	98	167698	38.419	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	76.840%#
43) trans-1,3-Dichloroprop...	8.185	79	29149	40.642	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.280%
47) 2-Hexanone-d5	8.677	63	62444	88.642	ug/L	0.04
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.640%
56) 1,1,2,2-Tetrachloroeth...	10.770	84	84944	37.699	ug/L	0.01
Spiked Amount	50.000	Range	65 - 120	Recovery	=	75.400%
66) 1,2-Dichlorobenzene-d4	12.201	152	63954	39.967	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.940%#
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.546	101	418	0.357	ug/L #	21
19) 1,1-Dichloroethane	3.861	63	3510	1.639	ug/L	96
20) cis-1,2-Dichloroethene	4.661	96	1783	1.395	ug/L	87
22) 2-Butanone	4.735	43	7050	4.917	ug/L	94
34) Trichloroethene	6.542	95	269620	202.168	ug/L	99
35) Methylcyclohexane	6.693	83	14601	7.061	ug/L #	20
37) 1,2-Dichloropropane	6.693	63	6560	4.947	ug/L #	86
39) cis-1,3-Dichloropropene	7.571	75	1660	0.823	ug/L #	77
42) Toluene	7.970	91	20989	3.864	ug/L	99
45) 1,1,2-Trichloroethane	8.555	97	11471	8.622	ug/L #	6
46) Tetrachloroethene	8.555	164	1174222	1198.104	ug/L	99
49) Dibromochloromethane	8.555	129	1169124	836.809	ug/L #	10
52) Ethylbenzene	9.574	91	5964	1.020	ug/L	99
53) m,p-Xylene	9.700	106	12124	5.318	ug/L	100
54) o-xylene	10.108	106	4025	1.819	ug/L	89
60) 1,2,3-Trichloropropane	11.819	75	10160	5.578	ug/L #	66

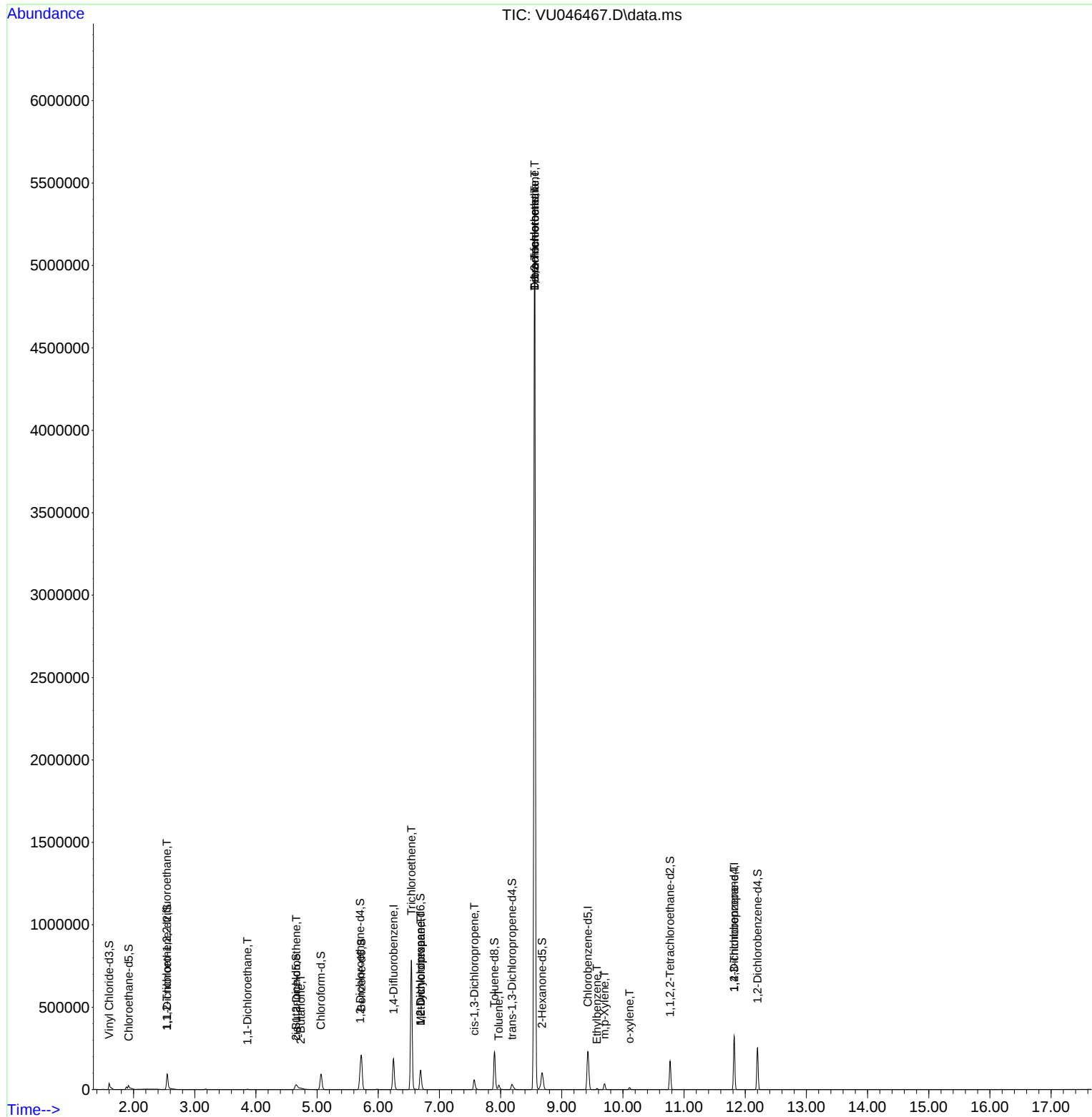
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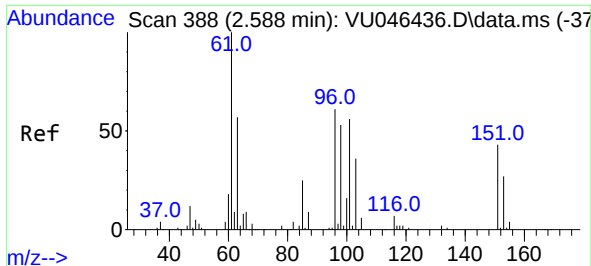
Instrument :
MSVOA_U
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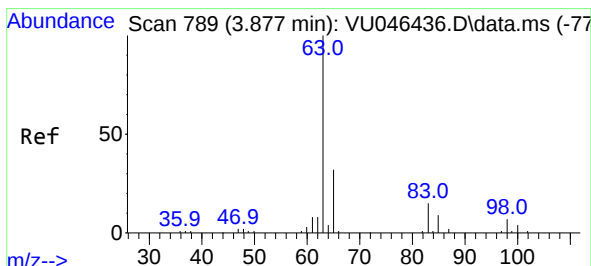
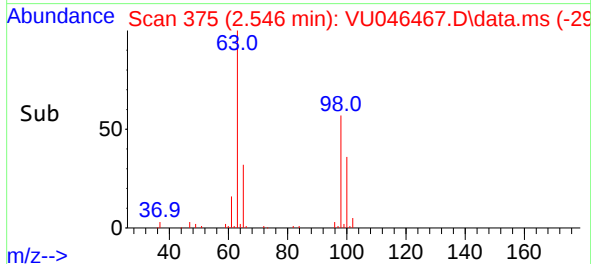
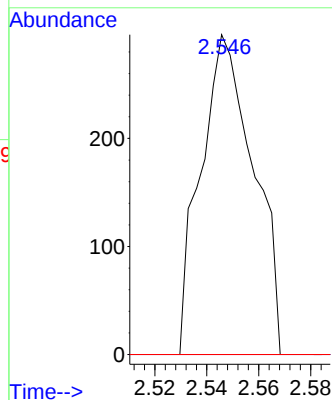
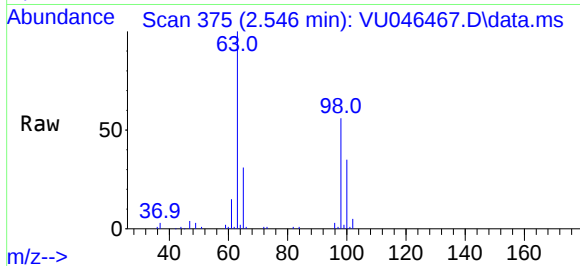




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.357 ug/L
RT: 2.546 min Scan# 31
Delta R.T. -0.042 min
Lab File: VU046467.D
Acq: 17 Dec 2021 13:25

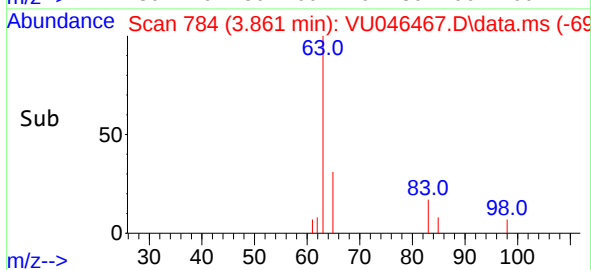
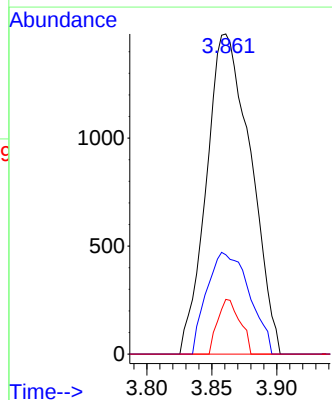
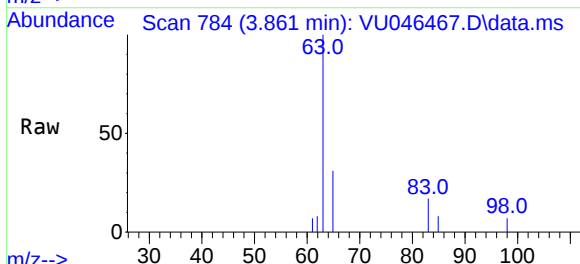
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MSVOA_U
ClientSampleId :

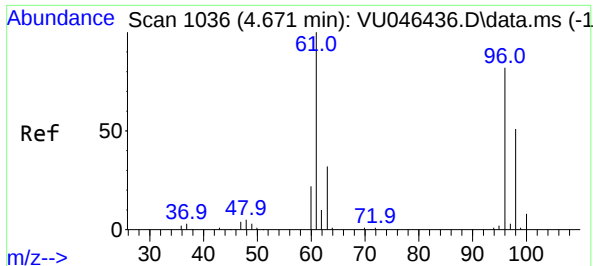
Tgt Ion:101 Resp: 418
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#19
1,1-Dichloroethane
Concen: 1.639 ug/L
RT: 3.861 min Scan# 784
Delta R.T. -0.016 min
Lab File: VU046467.D
Acq: 17 Dec 2021 13:25

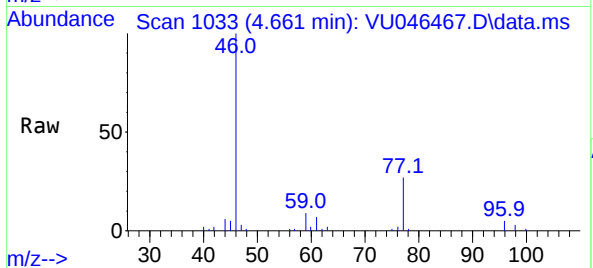
Tgt Ion: 63 Resp: 3510
Ion Ratio Lower Upper
63 100
65 31.0 22.8 42.4
83 17.1 9.6 17.8



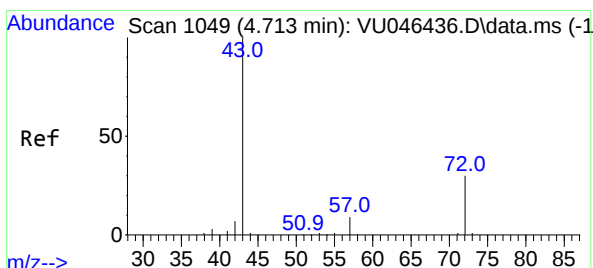
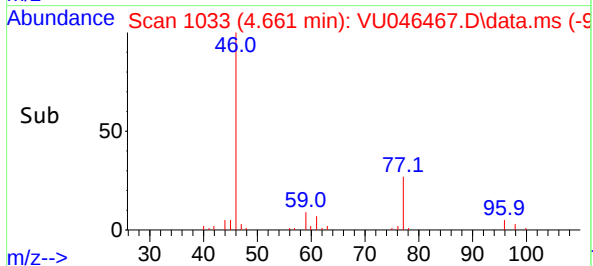
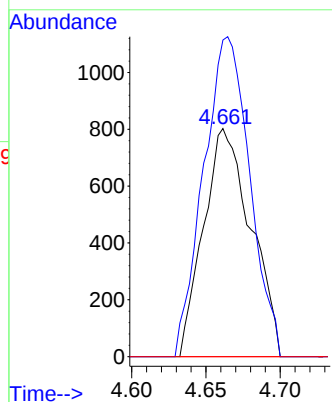


#20
 cis-1,2-Dichloroethene
 Concen: 1.395 ug/L
 RT: 4.661 min Scan# 1033
 Delta R.T. -0.010 min
 Lab File: VU046467.D
 Acq: 17 Dec 2021 13:25

Instrument :
 MSVOA_U
 ClientSampleId :

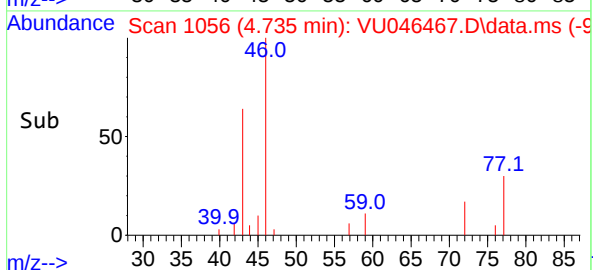
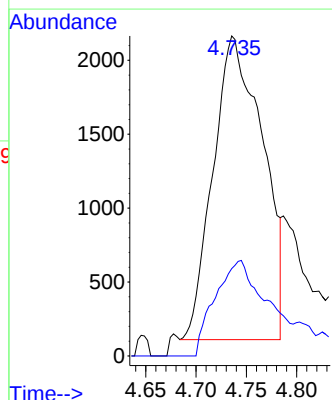
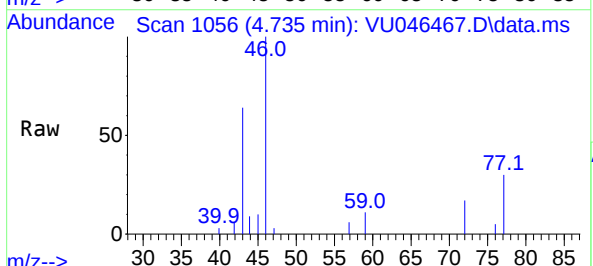


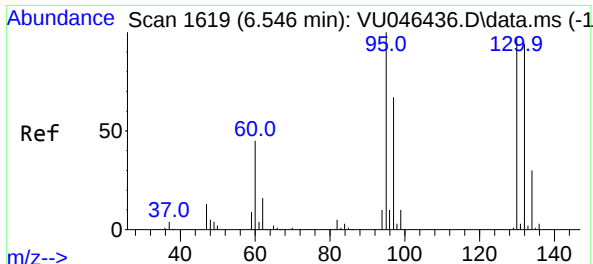
Tgt Ion: 96	Resp: 1783		
Ion	Ratio	Lower	Upper
96	100		
61	138.7	86.8	161.2
68	0.0	0.0	0.0



#22
 2-Butanone
 Concen: 4.917 ug/L
 RT: 4.735 min Scan# 1056
 Delta R.T. 0.022 min
 Lab File: VU046467.D
 Acq: 17 Dec 2021 13:25

Tgt Ion: 43	Resp: 7050		
Ion Ratio	Lower	Upper	
43 100			
72 25.9	14.5	43.6	

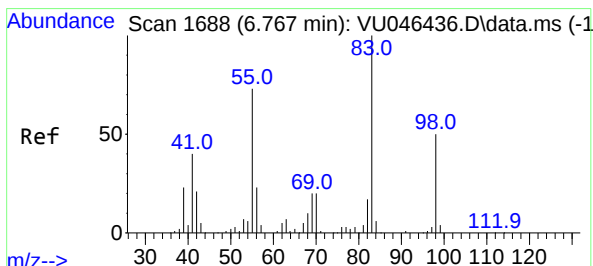
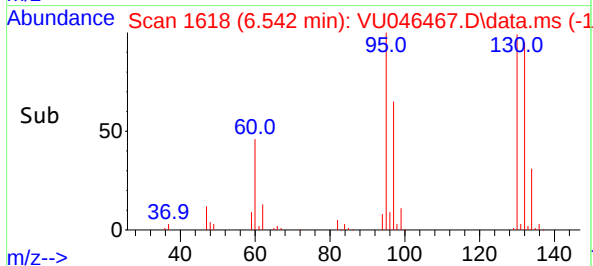
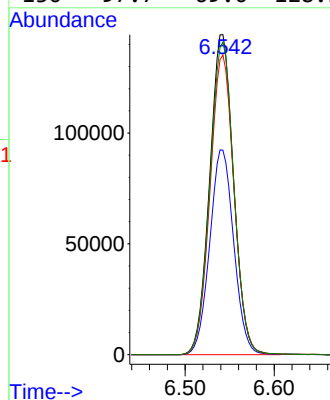
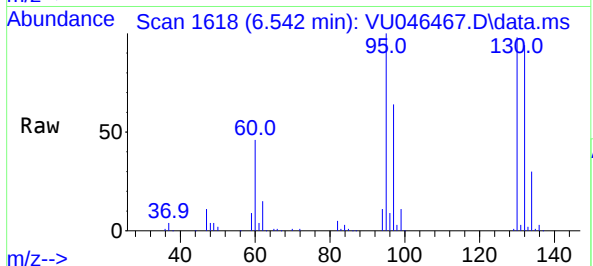




#34
Trichloroethene
Concen: 202.168 ug/L
RT: 6.542 min Scan# 1619
Delta R.T. -0.003 min
Lab File: VU046467.D
Acq: 17 Dec 2021 13:25

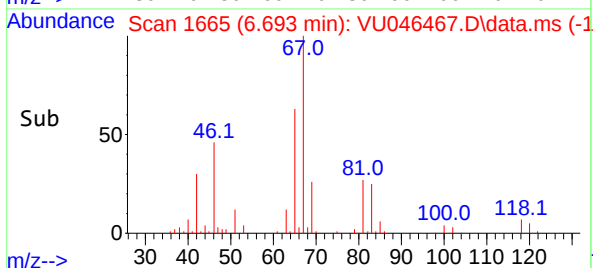
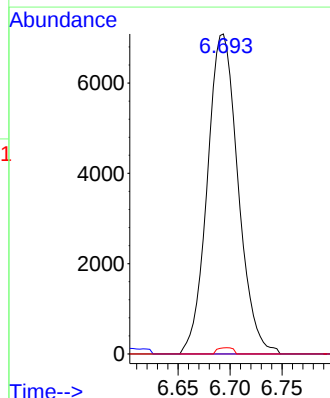
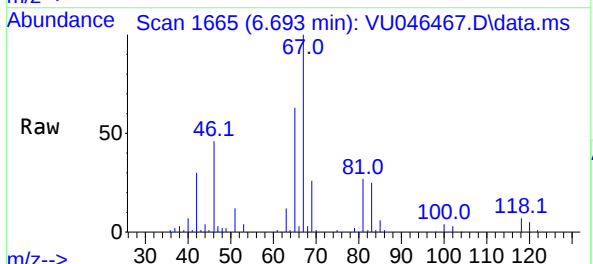
Instrument :
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ClientSampleId :

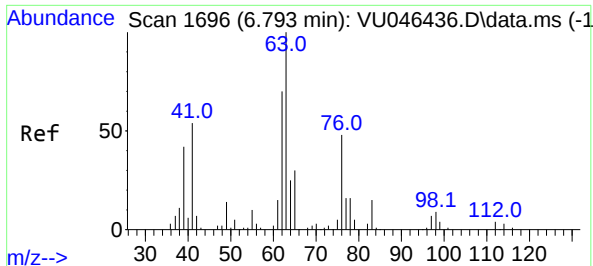
Tgt Ion: 95 Resp: 269620
Ion Ratio Lower Upper
95 100
97 63.9 44.1 81.9
132 93.6 66.8 124.0
130 97.7 69.0 128.1



#35
Methylcyclohexane
Concen: 7.061 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046467.D
Acq: 17 Dec 2021 13:25

Tgt Ion: 83 Resp: 14601
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 1.0 38.4 57.6#

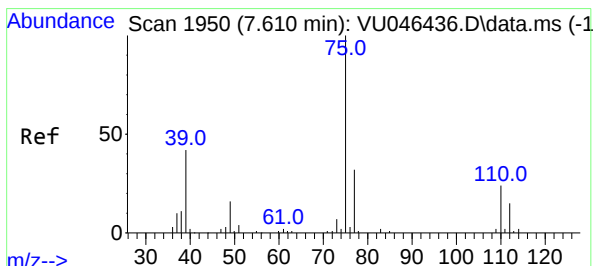
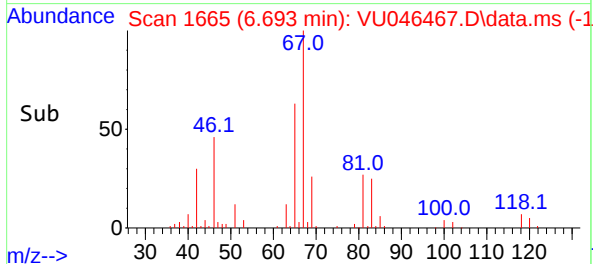
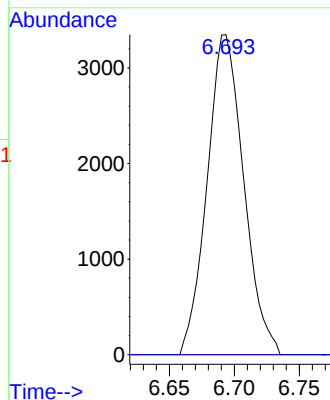
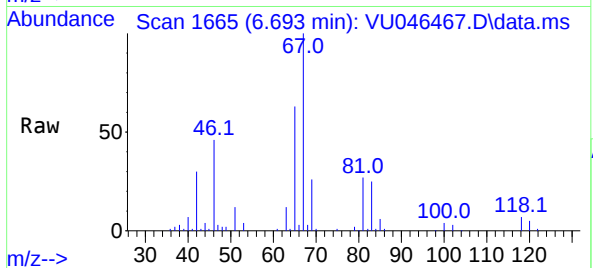




#37
1,2-Dichloropropane
Concen: 4.947 ug/L
RT: 6.693 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU046467.D
Acq: 17 Dec 2021 13:25

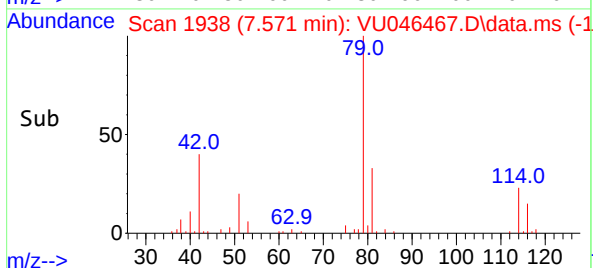
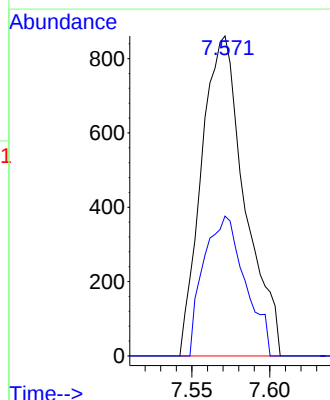
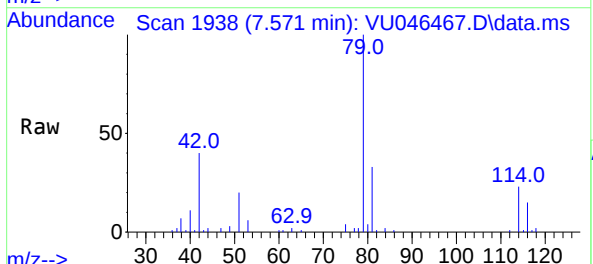
Instrument :
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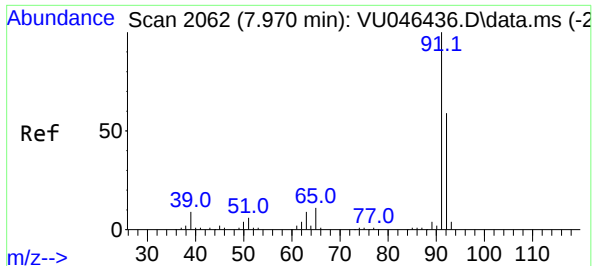
Tgt Ion: 63 Resp: 6560
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



#39
cis-1,3-Dichloropropene
Concen: 0.823 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.039 min
Lab File: VU046467.D
Acq: 17 Dec 2021 13:25

Tgt Ion: 75 Resp: 1660
Ion Ratio Lower Upper
75 100
77 43.7 21.8 40.6#

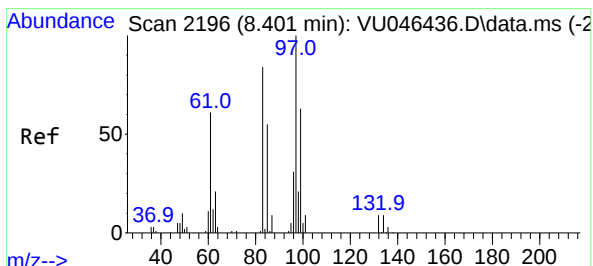
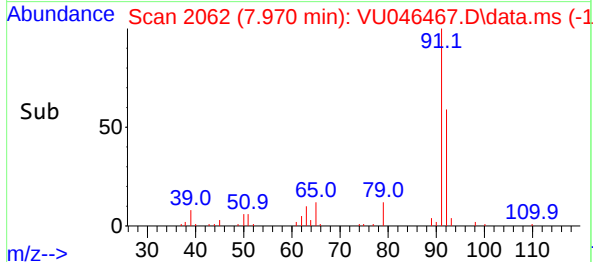
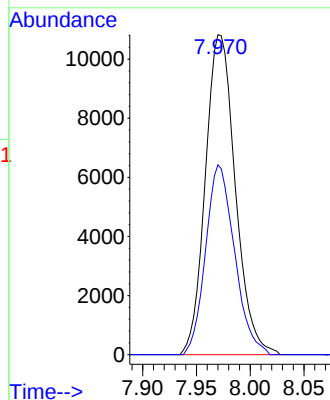
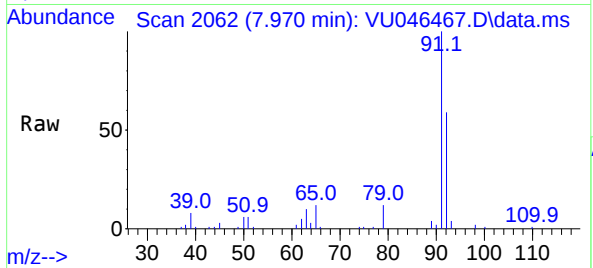




#42
Toluene
Concen: 3.864 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU046467.D
Acq: 17 Dec 2021 13:25

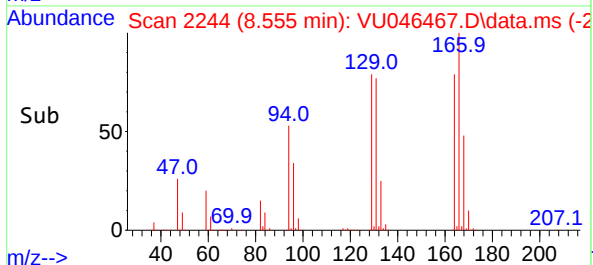
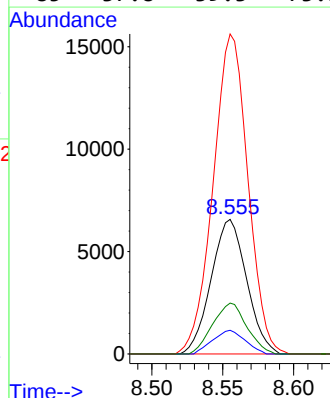
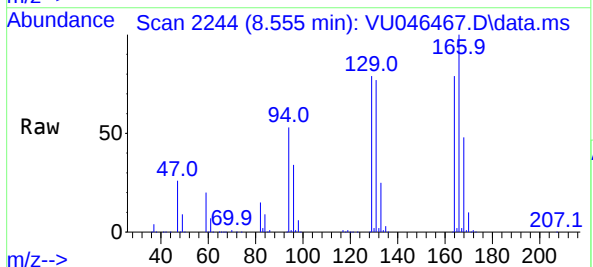
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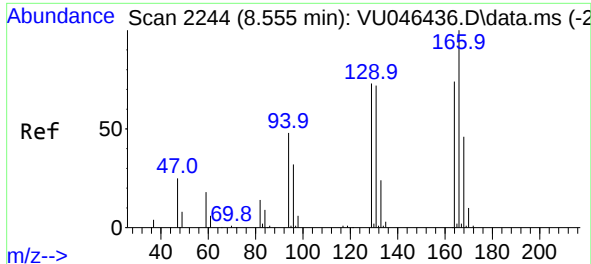
Tgt Ion: 91 Resp: 20989
Ion Ratio Lower Upper
91 100
92 59.4 41.9 77.7



#45
1,1,2-Trichloroethane
Concen: 8.622 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.154 min
Lab File: VU046467.D
Acq: 17 Dec 2021 13:25

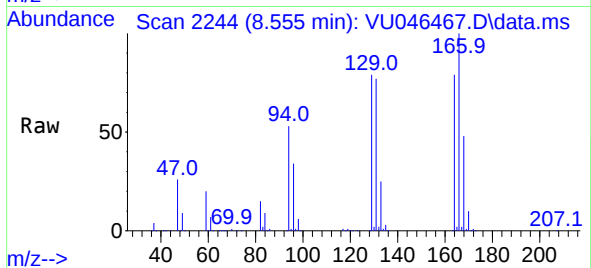
Tgt Ion: 97 Resp: 11471
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97 100
99 17.6 44.7 82.9#
83 237.7 60.2 111.8#
85 37.8 39.3 73.1#





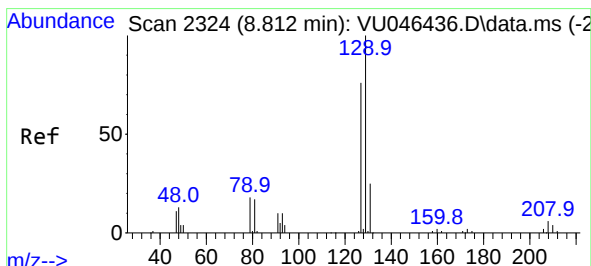
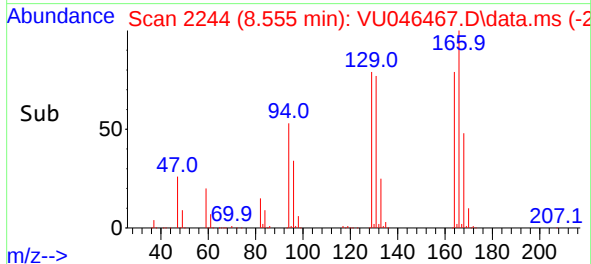
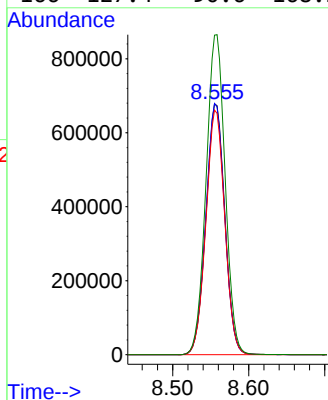
#46
Tetrachloroethene
Concen: 1198.104 ug/L
RT: 8.555 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU046467.D
Acq: 17 Dec 2021 13:25

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:164 Resp: 1174222

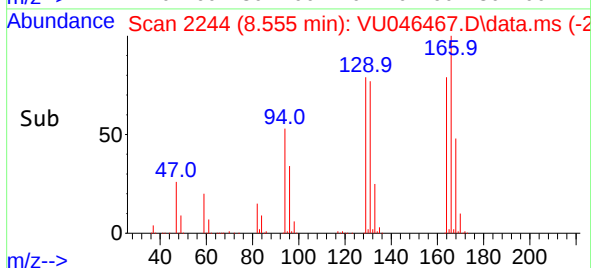
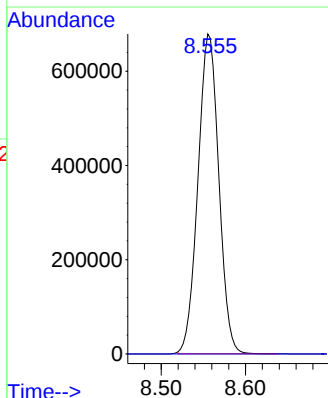
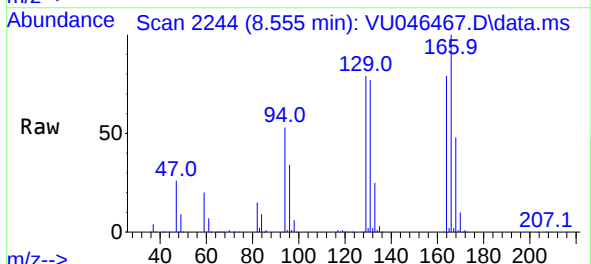
Ion	Ratio	Lower	Upper
164	100		
129	100.1	71.1	132.1
131	97.5	67.8	126.0
166	127.4	90.6	168.2

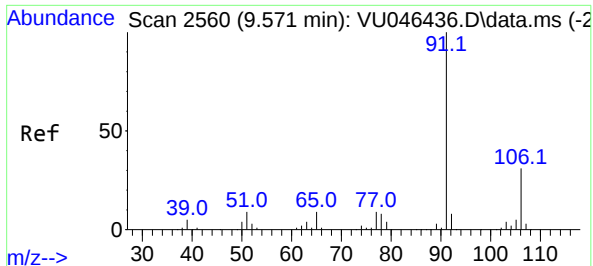


#49
Dibromochloromethane
Concen: 836.809 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046467.D
Acq: 17 Dec 2021 13:25

Tgt Ion:129 Resp: 1169124

Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.6	103.4#





#52

Ethylbenzene

Concen: 1.020 ug/L

RT: 9.574 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU046467.D

Acq: 17 Dec 2021 13:25

Instrument :

MSVOA_U

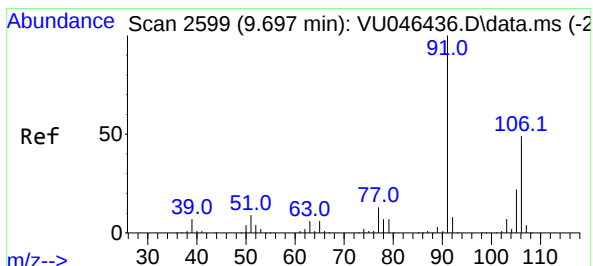
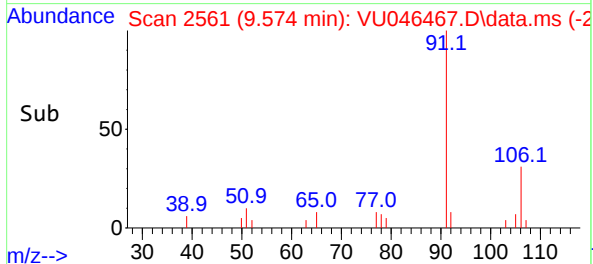
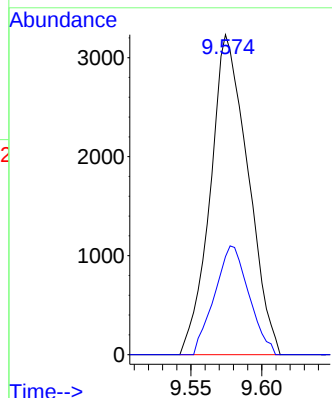
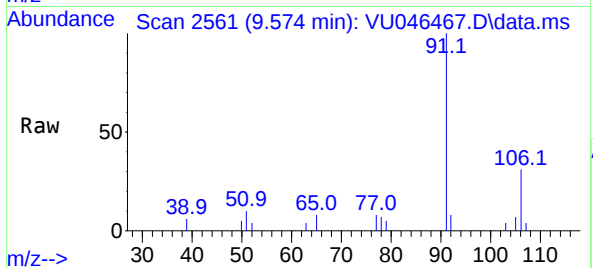
ClientSampleId :

Tgt Ion: 91 Resp: 5964

Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.3



#53

m,p-Xylene

Concen: 5.318 ug/L

RT: 9.700 min Scan# 2600

Delta R.T. 0.003 min

Lab File: VU046467.D

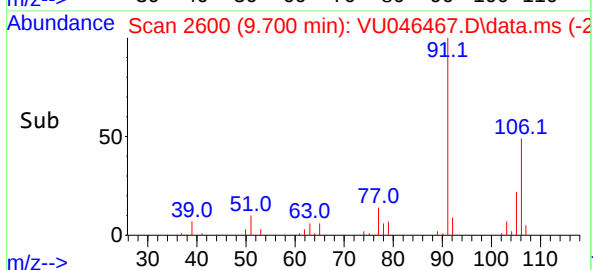
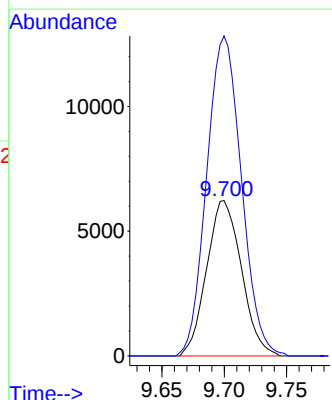
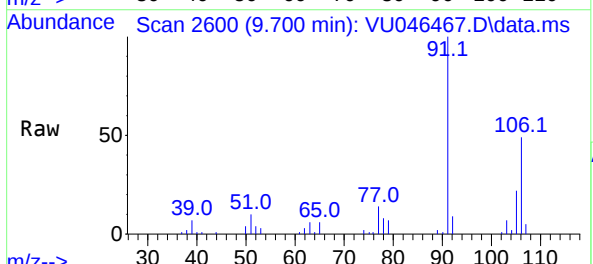
Acq: 17 Dec 2021 13:25

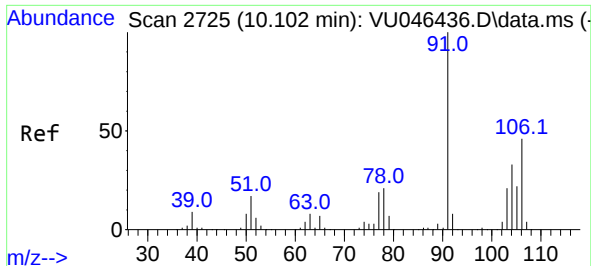
Tgt Ion:106 Resp: 12124

Ion Ratio Lower Upper

106 100

91 206.0 144.3 268.1

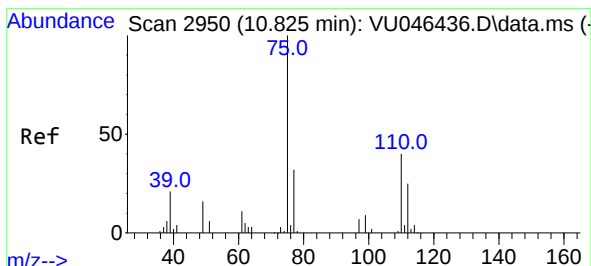
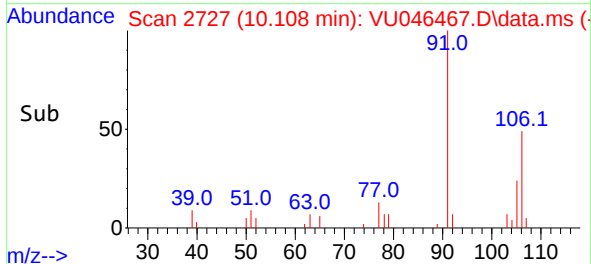
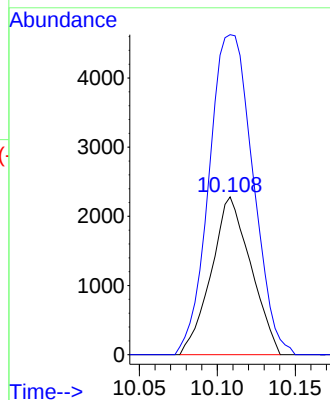
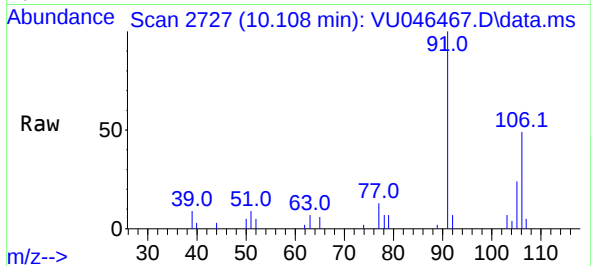




#54
o-xylene
Concen: 1.819 ug/L
RT: 10.108 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU046467.D
Acq: 17 Dec 2021 13:25

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 4025
Ion Ratio Lower Upper
106 100
91 202.8 154.2 286.4



#60
1,2,3-Trichloropropane
Concen: 5.578 ug/L
RT: 11.819 min Scan# 3259
Delta R.T. 0.993 min
Lab File: VU046467.D
Acq: 17 Dec 2021 13:25

Tgt Ion: 75 Resp: 10160
Ion Ratio Lower Upper
75 100
77 33.1 26.4 39.6
110 2.0 32.4 48.6#

